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Approved for use through 07/31/2006. OMB 0651-0032 U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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## UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. 2254.0010001 LaCOURSE et al. First Inventor VACUUM MEMBRANE EXTRACTION Title

(Uniy for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.						
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450						
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 21 ] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 4 ]  5. Oath or Declaration [Total Sheets 4 ]  Newly executed (original or copy)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or  ii. Paper  c. Statements verifying identity of above copies  ACCOMPANYING APPLICATION PARTS  9. X Assignment Papers (cover sheet & document(s))  10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney  English Translation Document (if applicable)  11. English Translation Disclosure Copies of IDS						
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. X Application Data Sheet. See 37 CFR 1.76	Statement (IDS)/PTO-1449 Citations Preliminary Amendment Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(1). Applicant must attach form PTO/SB/35 or its equivalent.  Other:						
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:  Continuation  Divisional  Continuation-in-part (CIP)  Of prior application No To Be Assigned  Prior application information:  Examiner  To Be Assigned  Art Unit:  To Be Assigned  For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an eath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.							
The incorporation can only be relied upon when a portion has been inadve	tently omitted from the submitted application parts.  DENCE ADDRESS						
X Customer Number: 26111	OR Correspondence address below						
Name Sterne, Kessler, Goldstein & Fox P.L.L.C	···						
Address							
City	State Zip Code						
	elephone Fax						
Name (Print/Type) Robert W. Esmond	Registration No. (Attorney/Agent)   32,893						
Signature KobutuSamond Date Feb. 6,200							

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/17 (10-03)

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## FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

X Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Name (Print/Type)

Signature

Robert W. Esmond

Complete if Known				
Application Number	To Be Assigned			
Filing Date	Herewith			
First Named Inventor	William R. LaCOURSE			
Examiner Name	To Be Assigned			
Art Unit	To Be Assigned			
Attorney Docket No.	2254.0010001			

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
Check X Credit card Money Order None 3. ADDITIONAL FEES							
*Charge any deficiencies or credit any overpayments in Large Entity Small Entity							
Deposit	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fac Daid	
Account Number 19-0036	1051	130	2051	65	Surcharge - late filing fee or oath	Fee Paid	
Deposit Account Sterne Kessler, Goldstein & Fox P.L.L.C.	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		
Name	1053	130	1053	130	Non-English specification		
The Director is authorized to: (check all that apply)  Charge fee(s) indicated below  Credit any overpayments		2,520	1812	2,520	For filing a request for ex parte reexamination		
Charge any additional fee(s) or any underpayment of fee(s)		920*	1804	920*	Requesting publication of SIR prior to Examiner action		
Charge fee(s) indicated below, except for the filing fee		1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
to the above-identified deposit account.	1251	110	2251	55	Extension for reply within first month		
FEE CALCULATION	1252	420	2252	210	Extension for reply within second month		
1. BASIC FILING FEE Large Entity Small Entity	1253	950	2253	475	Extension for reply within third month		
Fee Fee Fee Fee Description Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month		
Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee	1255	2,010	2255	1,005	Extension for reply within fifth month		
1002 340 2002 170 Design filing fee	1401	330	2401	165	Notice of Appeal		
1003 530 2003 265 Plant filing fee	1402	330	2402	165	Filing a brief in support of an appeal		
1004 770 2004 385 Reissue filing fee	1403	290	2403	145	Request for oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
SUBTOTAL (1) (\$) 385.00	1452	110	2452	55	Petition to revive - unavoidable		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453	1,330	2453	665	Petition to revive - unintentional		
Fee from		1,330	2501		Utility issue fee (or reissue)		
Extra Claims below Fee Paid  Total Claims 20 - 20 **= 0 X 9 =	1502	480	2502		<b>9</b>		
Independent 4 2 20	1503	640	2503	320	Plant issue fee		
Claims L4 - 3 - L	1460	130	1460	130			
Large Entity   Small Entity	1807	50	1807	50	(4)		
Fee Fee Fee Fee Description	1806	180	1806	180	Submission of Information Disclosure Stmt		
Code (\$)	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	
1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		
1203 290 2203 145 Multiple dependent claim, if not paid	1810	770	2810	385	For each additional invention to be		
1204 86 2204 43 ** Reissue independent claims over original patent	1801	770	2801	385	examined (37 CFR 1.129(b)) Request for Continued Examination (RCE)		
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802	900	1802	900	Request for expedited examination of a design application		
		fee (sp	ecify) _				
SUBTOTAL (2) (\$) 43.00	*Redu	uced by	Basic	Filing F	ee Paid SUBTOTAL (3)	40.00	
SUBMITTED BY (Complete (if applicable))							

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Registration No.

Telephone

Date

32.893

(202) 371-2600

2004



Robert Greene Sterne Edward J. Kessler Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcorn Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherstone Michael V. Messinger Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Heidi L. Kraus Edward W. Yee Albert L. Ferro\* Donald R. Banowit Peter A. Jackman Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Victora L. Capuano Eldora Ellison Floyd Thomas C. Fiala Brian J. Del Buono Virgil Lee Beaston Kimberly N. Reddick Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Christine M. Lhulier Rea Lynn Prengaman Jane Shershenovich' George S. Bardmesser Daniel A. Klein' Jason D. Eisenberg Michael D. Specht Andrea J. Kamage Tracy L. Muller' LuAnne M. DeSantis John J. Figueroa Ann E. Summerfield Tirea S. Coston' Aric W. Ledford' Michael D. Specht Jessica L. Parezo Timothy A. Doyle\* Cynthia M. Bouchez Nicole D. Dretar\* Ted J. Ebersole Registered Patent Ag

Registered Patent Agents « Karen R. Markowicz Nancy J. Leith Helene C. Carlson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Mary B. Tung Katina Y. Pei Quach Bryan L. Skelton Robert A. Schwartzman

Mail Stop Patent Application

Jeffrey S. Loudian
Jeffrey S. Lundgren
Victoria S. Rutherford
Eric D. Hayes
Michelle K. Holoubek
Robert H. DeSelms
Simon J. Elliott
Julie A. Heider
Mita Mukerjee
Scott M. Woodhouse
Of Counsel
Evan R. Smith
Marvin C. Guthrie
\*Admitted only in Maryland
\*Admitted only in Virginia
\*Practice Limited to
Frederal Agencies

February 6, 2004

WRITER'S DIRECT NUMBER: (202) 772-8560 INTERNET ADDRESS: RESMOND@SKGF.COM

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)

Appl. No. To Be Assigned; Filed: Herewith For: Vacuum Membrane Extraction System

Inventors:

LaCOURSE et al.

Our Ref:

2254.0010001/RWE/JKM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. PTO Fee Transmittal (Form PTO/SB/17);
- 2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
- 3. U.S. Utility Patent Application entitled:

## **Vacuum Membrane Extraction System**

and naming as inventors:

William R. LaCOURSE Patrick Devin WIGINGTON

the application consisting of:

- a. An Application Data Sheet (37 C.F.R. § 1.76);
- b. Two (2) original executed Declarations;
- c. A specification containing:

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents February 6, 2004 Page 2

- i. 16 pages of description prior to the claims;
- ii. 4 pages of claims (20 claims);
- iii. a one (1) page abstract;
- d. 4 sheets of drawings: (Figure(s) 1-4); and
- 4. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
- 5. Recordation Form Cover Sheet;
- 6. Two (2) original executed Assignments to University of Maryland, Baltimore County, recordation of which is hereby respectfully requested;
- 7. Letter to PTO Draftsman: Submission of Formal Drawings with 4 sheets of formal drawings with Figures 1-4;
- 8. Form PTO-2038 Credit Card Payment Form; and
- 9. Two (2) return postcards.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

RWE/JKM/as

227402.1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LaCOURSE et al.

Appl. No.: To Be Assigned

Filed: Herewith

For: Vacuum Membrane Extraction

System

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 2254.0010001/RWE/JKM

Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicants Registration No. 32,893

Date: February 6, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

227467.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

LaCOURSE et al.

Appl. No.: To Be Assigned

Filed: Herewith

For: Vacuum Membrane Extraction

System

Art Unit: To Be Assigned

Examiner: To Be Assigned

Atty. Docket: 2254.0010001

Letter to PTO Draftsman: Submission of Formal Drawings

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith are four sheets of formal drawings with Figures 1-4 for the abovecaptioned application. Identification of the drawings is provided in accordance with 37 C.F.R. § 1.84(c). Acknowledgment of the receipt, approval, and entry of these formal drawings into this application is respectfully requested.

It is not believed that an extension of time is required, other than any already provided herewith. However, if an extension of time is needed to prevent abandonment of the application, then such extension of time is hereby petitioned. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Robert W. Esmond Attorney for Applicant Registration No. 32,893

Date: February 6, 2004

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600